

separate by disarticulation, and their remains are found arranged in spiral lines upon the outside, so as to give the short, thick rhizome the aspect of a piece of a palm stem. As in *Nuphar*, the roots are produced in bundles at the bases of the petioles, and fall off successively upwards as the new ones are developed, leaving very conspicuous scars. The internal structure of the stem is quite Monocotyledonous in its character, presenting no trace of the arrangement of the vascular bundles into rings of wood, no true woody fibres, and no cambium layer. The vascular bundles, which are composed exclusively of spiral, annular and reticulated ducts surrounded by elongated parenchymatous cellular tissue, are isolated and arranged just as in Monocotyledons, such as the Palms; and the outer part of the stem exhibits a cortical parenchyma, much more like that of the herbaceous rhizomes of the rush-like plants, than any other known structure; it bears not the least resemblance to the bark of Dicotyledons. The results of the investigation show that *Victoria*, like *Nuphar*, has a stem of essentially Monocotyledonous structure. The paper was accompanied by drawings illustrating the general and microscopic anatomy of the stem.—*Proceedings of the Royal Society.*

METEOROLOGICAL OBSERVATIONS FOR SEPT. 1852.

*Chiswick.*—September 1. Slight rain. 2. Foggy; cloudless and hot. 3, 4. Very fine. 5. Overcast: clear. 6. Very fine: rain at night. 7. Hazy: rain. 8. Heavy rain: thunder and lightning: cloudy: clear at night. 9. Cloudy: showery. 10. Cloudy. 11, 12. Fine. 13. Very fine. 14. Clear: dry air: densely overcast at night. 15. Overcast. 16. Fine: clear and cold at night. 17. Slight fog, with very heavy dew: very fine: clear and cold. 18. Foggy: heavy rain. 19. Cloudy: uniformly overcast. 20. Slight rain: showery: clear. 21. Boisterous, with rain. 22. Clear: very fine. 23. Overcast: very fine. 24. Foggy: very fine: dense fog at night. 25. Dense fog: very fine. 26. Heavy dew: foggy: hazy throughout. 27. Dense fog: overcast: heavy rain at night. 28. Constant rain: barometer very low: foggy. 29. Cloudy: slight showers: cloudy. 30. Overcast: fine but windy: overcast.

Mean temperature of the month .....	56°·20
Mean temperature of Sept. 1851 .....	55·15
Mean temperature of Sept. for the last twenty-six years ...	57·15
Average amount of rain in Sept. ....	2·52 inches.

*Boston.*—Sept. 1. Cloudy. 2. Fine. 3, 4. Cloudy. 5. Cloudy: rain A.M. 6. Cloudy: rain P.M. 7. Cloudy: rain: thunder and lightning early A.M.: rain P.M. 8. Fine. 9. Fine: rain P.M. 10. Fine. 11—13. Cloudy. 14. Fine. 15. Cloudy: rain A.M. and P.M. 16. Fine: rain early A.M. 17. Fine. 18. Fine: rain A.M. and P.M. 19, 20. Cloudy: rain early A.M. 21. Rain: rain A.M. 22. Fine. 23. Cloudy. 24. Fine. 25—27. Foggy. 28. Rain: rain A.M. and P.M. 29. Cloudy: rain A.M. 30. Fine.

*Sandwich Manse, Orkney.*—Sept. 1. Showers. 2. Clear: fine: cloudy: fine. 3. Clear: fine. 4. Bright: clear: fine: aurora. 5. Fog. 6. Hazy: cloudy. 7. Fine: clear: fine. 10. Cloudy: showers. 11. Showers: drops: aurora. 12. Showers: aurora. 13, 14. Sleet-showers. 15, 16. Showers. 17. Bright: showers: aurora. 18. Drizzle: rain. 19. Bright: clear: rain. 20, 21. Bright: cloudy: rain. 22. Showers: cloudy. 23. Cloudy: rain. 24. Showers: clear. 25. Bright: cloudy. 26. Clear. 27. Showers: rain. 28. Showers: lunar rainbow. 29. Bright: cloudy: rain. 30. Rain: cloudy.

Mean temperature of Sept. for twenty-five years .....	52°·22
Mean temperature of this month .....	53·45
Average quantity of rain in Sept. for six years .....	2·49 inches.